AUTHOR INDEX

Volume 90 • 2002

Adachi-Akahane, S. *See* Futagawa, H.
Akiyama, K., Hora, M., Yamagishi, R. and Kitazawa, M.
Tilt-induced hypotension of α_1-blocker 131
Amano, K. *See* Yonehara, N.
Aoki, Y. *See* Kosugi, T.
Arai, K. *See* Kamata, K.
Asai, T. *See* Nakatani, Tatsuya

Baba, A. *See* Mukai, K.
Baba, R. *See* Takane, H.
Bao, J. *See* Oishi, K.
Broom, D.C., Jutkiewicz, E.M., Rice, K.C., Traynor, J.R. and Woods, J.H.
Delta-opioids 1
Burioka, N. *See* Takata, M.

Cierniewski, C.S. *See* Swiatkowska, M.

Drzewoski, J. *See* Swiatkowska, M.
Du, G.H. *See* Ren, D.C.

Egashira, N., Iwasaki, K., Ishibashi, M., Hatip-Al-Khatib, I., Wolozin, B., Mishima, K., Irie, K. and Fujiwara, M.
Hypoxia and β-amyloid-induced apoptosis 321
Endo, S., Tomita, H., Ishiguro, S. and Tamai, M.
Effect of betaxolol on mAAT in retinas 121
Enjoji, A. *See* Makimoto, N.
Ezawa, I. *See* Iwasaki, Y.

Fujisaki, Y., Itoh, Y. and Oishi, R.
Brain permeability of H_1 blockers 353
Fujita, A. *See* Mukai, K.
Fujiwara, M. *See* Egashira, N.
Fukagawa, M. *See* Iwasaki, Y.
Fukazawa, Y. *See* Maeda, T.
Fukuoka, Y. *See* Takata, M.
Furuichi, A. *See* Makimoto, N.
Furukawa, K. *See* Sasamura, S.
Futagawa, H., Takahashi, H., Nagao, T. and Adachi-Akahane, S.
Block of L-type Ca^{2+} channel by BPMC 12

Gozu, Y. *See* Haze, S.

Harada, N. *See* Kodama, N.
Hashimoto, H. *See* Mukai, K.
Hashimoto, K. *See* Miyamoto, S.
Hata, F. *See* Mukai, K.
Hatip-Al-Khatib, I. *See* Egashira, N.
Hayashi, I. *See* Kamata, K.
Haze, S., Sakai, K. and Gozu, Y.
Effects of fragrance on sympathetic activity 247
Higuchi, S. *See* Takane, H.
Hora, M. *See* Akiyama, K.

Ichihara, K. *See* Kosugi, T.
— *See* Yamamoto, A.
Ichinosawa, K. *See* Yamamoto, A.
Iijima, T. *See* Yazawa, K.
Ikeda, Y., Kaneko, A., Yamamoto, M., Ishige, A. and Sasaki, H.
Sho-seiryu-to as anti-Th2 drug 328
Ikenoue, T. *See* Matsuda, Y.
Im, D.-S.
Orphan G protein-coupled receptors 101
Imada, T.; Komorita, N.; Kobayashi, F.; Naito, K.; Yoshikawa, Tsutomu; Miyazaki, M.; Nakamura, N.; and Kondo, T.
Chymase inhibitor for atopic dermatitis 214
Inoue, N. *See* Maeda, T.
Inui, A.; Yoshikawa, Takashi; Nagai, R.; Yoshida, N.; and Ito, T.
Mosapride enhances colonic motility 313
Inui, K. *See* Ohta, Y.
Irie, K. *See* Egashira, N.
Ishibashi, M. *See* Egashira, N.
Ishige, A. *See* Ikeda, Y.
Ishiguro, S. *See* Endo, S.
Ishihara, A. *See* Nakatani, Toshiaki
Ito, T. *See* Inui, A.
Itoh, Y. *See* Fujisaki, Y.
Iwai, Y. *See* Nakatani, Tatsuya
Iwasaki, K. *See* Egashira, N.
Iwasaki, Y., Yamato, H., Murayama, H., Takahashi, T., Ezawa, I., Kurokawa, K. and Fukagawa, M.
Menatetrenone prevents osteoblast dysfunction 88

Jang, I.Y. *See* Jun, J.Y.
Jang, M.-H., Kim, H., Shin, M.-C., Lim, B.-V., Lee, T.-H., Jung, S.-B., Kim, C.-J. and Kim, E.-H.
Folium Mori decreases NOS expression in deabetic rats 189
Jun, J.Y., Yeum, C.H., Park, Y.W., Jang, I.Y., Kong, I.D., Sim, J.H., So, I., Kim, K.W. and You, H.J.
Arachidonic acid inhibits ATP-sensitive K^+ currents 81
Jung, S.-B. *See* Jang, M.-H.
Jutkiewicz, E.M. *See* Broom, D.C.

Kaki, H. *See* Suzuki, Takeo
Kamashita, K. *See* Sukenaga, Y.
Kamata, K., Hayashi, I., Mizoguchi, Y., Arai, K., Saeki, T., Ohno, T., Saigenji, K. and Majima, M.
Kinin and experimental colitis 59
Kamisaki, Y. *See* Yonehara, N.
Kamiya, K. *See* Miyamoto, S.
Kaneko, A. *See* Ikeda, Y.
Kanematsu, T. *See* Makimoto, N.
Kaneta, S. *See* Kosugi, T.
— *See* Yamamoto, A.
Kano, S. *See* Yamamoto, A.
Kawakami, S. *See* Makimoto, N.
Kim, C.-J. *See* Jang, M.-H.
Kim, E.-H. *See* Jang, M.-H.
Kim, H. *See* Jang, M.-H.
Kim, K.W. *See* Jun, J.Y.
Kim, T. *See* Nakatani, Tatsuya
Kimura, J. *See* Watanabe, Y.
Kishioka, S. *See* Maeda, T.
Kita, T. *See* Nakatani, Toshiaki
Kitazawa, M. *See* Akiyama, K.
Kobayashi, F. *See* Imada, T.
Kobayashi, T. *See* Ohta, Y.
Kobayashi, Y. and Okunishi, H.

Mast cells in rheumatoid arthritis 7
Kodama, N., Harada, N. and Nanba, H.
D-Fraction and Th-1 dominant response 357
Komatsu, K. *See* Tohda, C.
Komiya, T. *See* Nakatani, Tatsuya
Komorita, N. *See* Imada, T.
Kondo, T. *See* Imada, T.
Kong, I.D. *See* Jun, J.Y.
Kontani, H. and Shiraoya, C.
Prostatic and urethral responses to HGN 281
Kosugi, T., Satoh, K., Kaneta, S., Aoki, Y., Takagaki, H. and Ichihara, K.
Radical scavengers on stunned myocardium 181
Kouno, S. *See* Matsuda, Y.
Koyanagi, S. *See* Takane, H.
Kubota, Y. *See* Umegaki, K.
Kumata, N. *See* Nakatani, Tatsuya
Kuraishi, Y. *See* Maekawa, T.
Kurokawa, K. *See* Iwasaki, Y.
Kuwabara, N. *See* Nakatani, Tatsuya

Lee, T.-H. *See* Jang, M.-H.
Lim, B.-V. *See* Jang, M.-H.
Liu, C.-S. and Tsai, C.-S.
Epileptics with glutathione *S*-transferase M1(−) genotype 291

Maeda, T., Kishioka, S., Inoue, N., Shimizu, N., Fukazawa, Y., Ozaki, M. and Yamamoto, H.
c-Fos and morphine withdrawal in infant 270
Maekawa, T., Yamaguchi-Miyamoto, T., Nojima, H. and Kuraishi, Y.
Itch-associated responses and naltrexone 193
Majima, M. *See* Kamata, K.
Makimoto, N., Sakurai-Yamashita, Y., Furuichi, A., Kawakami, S., Enjoji, A., Kanematsu, T. and Taniyama, K.
5-HT_4 receptor in gut motility 28
Matsuda, Y., Kouno, S., Sakamoto, H. and Ikenoue, T.
Meluadrine on fetal hemodynamics 114
Meluadrine on uterus and hemodynamics 107
Matsumoto, N. *See* Tohda, C.
Matsuoka, I. *See* Watanabe, Y.
Meselhy, M.R. *See* Tohda, C.
Mishima, K. *See* Egashira, N.
Miura, K. *See* Nakatani, Tatsuya
Miyamoto, S., Zhu, B.-M., Kamiya, K., Nagasawa, Y. and Hashimoto, K.
Effects of KB-R7943 in dog arrhythmias 229
Miyata, M. *See* Takata, M.
Miyazaki, M.
Application of chymase inhibitor 205
— *See* Imada, T.
— *See* Okamoto, Y.
— *See* Sukenaga, Y.
— *See* Suzuki, Takeo
— *See* Takai, S
Mizoguchi, Y. *See* Kamata, K.
Motomura, S. *See* Sasamura, S.
Mukai, K., Satoh, Y., Fujita, A., Takeuchi, T., Shintani, N., Hashimoto, H., Baba, A. and Hata, F.
PAC1-mediated relaxation in mouse colon 97
Murayama, H. *See* Iwasaki, Y.
Murayama, S. *See* Suzuki, Takeo

Nagai, A. *See* Suzuki, Takeo
Nagai, R. *See* Inui, A.
Nagao, T. *See* Futagawa, H.
Nagasawa, Y. *See* Miyamoto, S.
Naito, K. *See* Imada, T.
Nakajima, M. and Naya, N.
Chymase contributes to tissue remodeling 206
Nakamura, N. *See* Imada, T.
Nakashima, T. *See* Nakatani, Toshiaki
Nakatani, Tatsuya; Tamada, S.; Asai, T.; Iwai, Y.; Kim, T.; Tsujino, T.; Kumata, N.; Uchida, J.; Tashiro, K.; Kuwabara, N.; Komiya, T.; Sumi, T.; Okamura, M.; and Miura, K.
Role of NF-κB in obstructive nephropathy 361
Nakatani, Toshiaki; Nakashima, T.; Kita, T.; and Ishihara, A.
Response of cigarette smoke on SOL fiber 157
Nakazawa, S. *See* Ohta, Y.
Nanba, H. *See* Kodama, N.
Naya, N. *See* Nakajima, M.
Naya, S. *See* Suzuki, Takeo
Nisikawa, Y., Shimazoe, T., Shibata, S. and Watanabe, S.
LTP in the suprachiasmatic nucleus 201
Nojima, H. *See* Maekawa, T.
Nomura, Y. *See* Tohda, M.

Ohdo, S. *See* Takane, H.
— *See* Takata, M.
Ohizumi, Y. *See* Sasamura, S.
Ohno, T. *See* Kamata, K.
Ohta, Y., Kobayashi, T., Inui, K., Yoshino, J. and Nakazawa, S.
Ebselen and anti-gastric lesion effect 295
Ohtsuka-Isoya, M. *See* Wang, Y.
Oishi, K., Takatoh, Y., Bao, J. and Uchida, M.K.
Contraction of cerebraovascular fiber 36
Oishi, R. *See* Fujisaki, Y.
Okamoto, Y., Takai, S. and Miyazaki, M.
NK3201 prevents adhesion formation 94
Okamura, M. *See* Nakatani, Tatsuya
Okunishi, H. *See* Kobayashi, Y.
Ono, K. *See* Yazawa, K.
Oudart, N. *See* Sercombe, R.
Ozaki, M. *See* Maeda, T.

Padilla, E. *See* Ruiz, E.
Park, Y.W. *See* Jun, J.Y.
Pawlowska, Z. *See* Swiatkowska, M.

Ren, D.C., Du, G.H. and Zhang, J.T.
Water-soluble extract and cell adhesion 276
Rice, K.C. *See* Broom, D.C.
Ruiz, E., Padilla, E. and Tejerina, T.
Somatostatin and rabbit coronary arteries 51

Saeki, T. *See* Kamata, K.
Saigenji, K. *See* Kamata, K.
Saito, K. *See* Umegaki, K.
Sakai, K. *See* Haze, S.
Sakamoto, H. *See* Matsuda, Y.
Sakamoto, S. *See* Wang, Y.
Sako, T. *See* Takata, M.
Sakurai-Yamashita, Y. *See* Makimoto, N.
Sanada, H. *See* Umegaki, K.
Sasaki, H. *See* Ikeda, Y.
Sasamura, S., Furukawa, K., Shiratori, M., Motomura, S. and Ohizumi, Y.
Apoptosis induced by Ca^{2+}-pump antisense 164
Satoh, K. *See* Kosugi, T.
— *See* Yamamoto, A.
Satoh, Y. *See* Mukai, K.

Sercombe, C. *See* Sercombe, R.
Sercombe, R., Sercombe, C., Oudart, N. and Seylaz, J.
Serotonin effects on basilar arteries 67
Seylaz, J. *See* Sercombe, R.
Shao, P. *See* Wang, Y.
Shibata, S. *See* Nisikawa, Y.
Shimazoe, T. *See* Nisikawa, Y.
Shimizu, E. *See* Takata, M.
Shimizu, N. *See* Maeda, T.
Shin, M.-C. *See* Jang, M.-H.
Shinoda, H. *See* Wang, Y.
Shinozuka, K. *See* Umegaki, K.
Shintani, N. *See* Mukai, K.
Shiraoya, C. *See* Kontani, H.
Shiratori, M. *See* Sasamura, S.
Sim, J.H. *See* Jun, J.Y.
So, I. *See* Jun, J.Y.
Sukenaga, Y., Kamoshita, K., Takai, S. and Miyazaki, M.
NK3201 for tissue-remodeling prevention 218
Sukma, M. *See* Tohda, M.
Sumi, T. *See* Nakatani, Tatsuya
Suyama, H. *See* Takata, M.
Suzuki, Takeo; Kaki, H.; Naya, S.; Murayama, S.; Tatsui, A.; Nagai, A.; Takai, S.; and Miyazaki, M.
Recombinant human chymase 210
Suzuki-Nishimura, Tamiko; and Uchida, M.K.
Production of PGD2 in rat mast cells 77
Swiatkowska, M., Pawlowska, Z., Szemraj, J., Drzewoski, J., Watala, C. and Cierniewski, C.S.
Cerivastatin reduces PAI-1 promoter activity 337
Szemraj, J. *See* Swiatkowska, M.

Takagaki, H. *See* Kosugi, T.
Takahashi, H. *See* Futagawa, H.
Takahashi, T. *See* Iwasaki, Y.
Takai, S. *See* Okamoto, Y.
— *See* Sukenaga, Y.
— *See* Suzuki, Takeo
Takai, S. and Miyazaki, M.
Role of chymase on vascular diseases 223
Takane, H. *See* Takata, M.
Takane, H., Ohdo, S., Baba, R., Koyanagi, S., Yukawa, E. and Higuchi, S.
24-Hour rhythm of interferon receptor expression 304
Takata, M., Burioka, N., Ohdo, S., Takane, H., Terazono, H., Miyata, M., Sako, T., Suyama, H., Fukuoka, Y., Tomita, K. and Shimizu, E.
Daily Per2 and Clock mRNA expression 263
Takatoh, Y. *See* Oishi, K.
Takeuchi, H., Yatsugi, S. and Yamaguchi, T.
Anti-OCD effect of YM992 197
Takeuchi, T. *See* Mukai, K.
Tamada, S. *See* Nakatani, Tatsuya
Tamai, M. *See* Endo, S.
Taniyama, K. *See* Makimoto, N.
Tashiro, K. *See* Nakatani, Tatsuya
Tatsui, A. *See* Suzuki, Takeo

Tejerina, T. *See* Ruiz, E.
Terazono, H. *See* Takata, M.
Tohda, C., Matsumoto, N., Zou, K., Meselhy, M.R. and Komatsu, K.
Axon and dendrite extension by diol saponins 254
Tohda, M., Sukma, M., Nomura, Y. and Watanabe, H.
5-HT2CR mRNA in NG108-15 cells 138
Tomita, H. *See* Endo, S.
Tomita, K. *See* Takata, M.
Traynor, J.R. *See* Broom, D.C.
Tsai, C.-S. *See* Liu, C.-S.
Tsujino, T. *See* Nakatani, Tatsuya

Uchida, J. *See* Nakatani, Tatsuya
Uchida, M.K. *See* Oishi, K.
— *See* Suzuki-Nishimura, Tamiko
Umegaki, K., Saito, K., Kubota, Y., Sanada, H., Yamada, K. and Shinozuka, K.
Induction of CYP by *Ginkgo biloba* extract 345

Wang, Y., Ohtsuka-Isoya, M., Shao, P., Sakamoto, S. and Shinoda, H.
Effects of methylprednisolone on rat bone 236
Watala, C. *See* Swiatkowska, M.
Watanabe, H. *See* Tohda, M.
Watanabe, S. *See* Nisikawa, Y.
Watanabe, Y., Matsuoka, I. and Kimura, J.
Chronic effect of amiodarone on INCX 21
Wolozin, B. *See* Egashira, N.
Woods, J.H. *See* Broom, D.C.

Yamada, K. *See* Umegaki, K.
Yamagishi, R. *See* Akiyama, K.
Yamaguchi, T. *See* Takeuchi, H.
Yamaguchi-Miyamoto, T. *See* Maekawa, T.
Yamamoto, A., Satoh, K., Ichinosawa, K., Kaneta, S., Kano, S. and Ichihara, K.
Minoxidil on ischemic myocardium 173
Yamamoto, H. *See* Maeda, T.
Yamamoto, M. *See* Ikeda, Y.
Yamato, H. *See* Iwasaki, Y.
Yatsugi, S. *See* Takeuchi, H.
Yazawa, K., Ono, K. and Iijima, T.
Mibefradil blockage of Ca^{2+} entry 125
Yeum, C.H. *See* Jun, J.Y.
Yonehara, N., Amano, K. and Kamisaki, Y.
Dental injury and tactile hypersensitivity 145
Yoshida, N. *See* Inui, A.
Yoshikawa, Takashi *See* Inui, A.
Yoshikawa, Tsutomu *See* Imada, T.
Yoshino, J. *See* Ohta, Y.
You, H.J. *See* Jun, J.Y.
Yukawa, E. *See* Takane, H.

Zhang, J.T. *See* Ren, D.C.
Zhu, B.-M. *See* Miyamoto, S.
Zou, K. *See* Tohda, C.

SUBJECT INDEX

Volume 90 • 2002

N-Acetyl glucosamine 77
Acetylcholine 51
Adhesion 94
Adhesion molecule 276
β_2-Adrenoceptor 107
α_1-Adrenoceptor antagonist 131
Amiodarone, chronic effect 21
β-Amyloid 321
Angiotensin II 223, 361
Antigen-presenting cell 328
Antihistaminic agent 353
Antisense oligodeoxynucleotide 164
Aortic endothelial cell 125
Apoptosis 164, 321
Arachidonic acid 81
Arrhythmia 229
Artery, cerebral 67
Artery, coronary 51
Arthritis, collagen 7
Arthritis, rheumatoid 7
Aspartate aminotransferase 121
Assay 210
Atopic dermatitis 214
ATP 173
ATP-sensitive K^+ current 81
Axon 254

Bradykinin B_2-receptor antagonist 59
BALB/c mice 357
BCEAB (4-[1-{[bis-(4-methyl-phenyl)-methyl]-carbamoyl}-3-(2-ethoxy-banzyl)-4-oxo-azetidine-2-yloxy]-benzoic acid) 206
Behavior, itch-associated 193
Behavior test, marble-burying 197
Betaxolol 121
Bone formation 236
Bone mineral density 88
Bone resorption 236
BPMC (2-*sec*-butylphenyl *N*-methylcarbamate) 12
Bradykinin 59
Brain permeability 353

c-Fos mRNA 270
Ca^{2+} channel, L-type 12
Ca^{2+} channel inactivation 12
Ca^{2+} concentration 125
Calcineurin 164
Cardiac myocyte, guinea pig 21
Catecholamine 247
$CD4^+$T cell 328
CD86 328
Cell adhesion 276
Cerebral artery 67
Cerivastatin 337
Chronopharmacokinetics 304
Chronopharmacology 304
Chymase 94, 206, 210, 214, 218, 223
Cl^- channel 125
Clock gene 263
CNQX (6-cyano-7-nitroquinoxaline-2,3-dione) 321
Colitis, experimental 59
Collagen arthritis 7
Collagen gel fiber 36
Colonic motility 313
Colonic smooth muscle 81
Compound 48/80 295
Conscious guinea pig 313
Contractility 36
Coronary artery 51
Cromolyn 7
Cross-sectional area 157
Cytochrome P450 345

Datura stramonium agglutinin 77
Dendrite 254
Dental injury model 145
Depression 1
Dextran sulfate sodium 59
Diabetes, streptozotocin-induced 189
Digitalis 229
Dog 229
Dopamine microdialysis, intracerebral 353

Ebselen 295
Eicosanoid 67
ELISA (enzyme-linked immunosorbent assay) 210
Endothelial cell 125, 276, 337
Enkephalin 1
Epilepsy 291
Essential oil 247
Experimental colitis 59

Fetus 114
Fiber type distribution 157
Fibrosis 206
Folium Mori 189
Forced swim assay 1
Fragrance inhalation 247
Fura-2 125

G protein 101
Gastric mucosal lesions, rat 295
Ginkgo biloba 345
Ginseng 254
Glutamate 201
Glutathione peroxidase 295
Glutathione *S*-transferase genotype 291
Goat 107

Heart rate 107, 114
HMG-CoA reductase inhibitor 337
5-HT_{2C} receptor 138
5-HT_4 receptor agonist 313
5-Hydroxytryptamine 51
Hypogastric nerve 281
Hypotension, orthostatic 131
Hypotension, tilt-induced 131
Hypoxia 121, 321

Immobilization 88
In vivo microdialysis 28
Indomethacin 67
Infant rat 270
Inhibitor 214, 218, 223
Inositolphosphate formation 138
Interferon 304
Interferon receptor 304
Intracerebral dopamine microdialysis 353
Ischemia 173
Ischemia/reperfusion 229
Isometric force 36
Itch-associated behavior 193

K^+ current, ATP-sensitive 81
KATP channel 173, 181
KB-R7943 (2-[2-[4-(4-nitrobenzyloxy) phenyl]ethyl]isothiourea methanesulfonate) 229
Kininogen-deficient rat 59
KMD-3213 ((−)-1-(3-hydroxypropyl)-5-((2*R*)-2-{[2-({2-[(2,2,2-trifluoroethyl) oxy]phenyl}oxy)ethyl]amino} propyl)-2,3-dihydro-1*H*-indole-7-carboxamide) 131

L-type Ca^{2+} channel 12
Ligand 101
Lipid peroxidation 291
Liver, mouse 263
Liver, rat 345
Long-term potentiation 201
Lovastatin 337

Marble-burying behavior test 197
Mast cell 7, 77, 94
Matrix metalloproteinases 7
Meluadrine tartrate 114
Menatetrenone 88
Methylprednisolone 236
Mibefradil 125
Microdialysis, in vivo 28
Microdialysis, intracerebral dopamine 353
Middle cerebral artery 36
Minoxidil 173
MK-801 ((5*R*,10*S*)-(+)-5-methyl-10,11-dihydro-5*H*-dibenzo[*a*,*d*]cyclohepten-5,10-imine hydrogen maleate) 270, 321
Modification of RNA 138
Morphine withdrawal 270
Mosapride 28
Mosapride citrate 313
Myocardial infarction 218

Myocardial stunning 181

Na^+/Ca^{2+} exchange current 21
Naloxone 270
Naltrexone 193
NC mice 193
Neuroprotection 121
Neutrophil 276
Neutrophil infiltration 295
NG108-15 138
Nitric oxide 51, 145
Nitric oxide synthase 189
Nitro-arginine 67
NMDA receptor 145
Non-cholinergic effect 12
Non-peptide chymase inhibitor 206
Nonadrenergic, noncholinergic relaxation 97
Nuclear factor-κB 361

Obsessive-compulsive disorder 197
Oligodeoxynucleotide, antisense 164
δ-Opioid agonist 1
Orphan G protein-coupled receptor 101
Orthostatic hypotension 131
Osteoblast 236
Osteoblast function 88
Osteoclast 236

PAC1 receptor 97
PAI-1 promoter activity 337
Pentoxyresorufin O-dealkylase 345
Per2 263
Peripheral blood mononuclear cell 263
Physiological function 210
Pituitary adenylate cyclase-activating polypeptide 97
Plasma membrane calcium pump 164
Polysaccharide 357
Power spectral analysis 247
Pregnancy 107
Pregnant goat 114
Prostaglandin D_2 77
Prostatic contraction, rat 281
Protopanaxadiol saponin 254

Radical scavenger 181
Receptor autoradiography 28, 313
Reperfusion 173
Retina 121
Reverse pharmacology 101
Rheumatoid arthritis 7
24-hour Rhythm 304
Ritodrine hydrochloride 114
RNA editing 138

Salvia miltiorrhiza, water-soluble extract 276
Saponin, protopanaxadiol-type 254
SB204070 ((1-*n*-butyl-4-piperidinyl) methyl-8-amino-7-iodo-1,4-benzo-dioxane-5-carboxylate) 28
Serotonin 51
Serotonin 4 receptor agonist 313
Serotonin 2C subtype receptor 138
Sho-seiryu-to 328
Silkworm-baculovirus expression system 210
SK-N-SH cell 254
Smooth muscle, colonic 81
Smooth muscle cell, cultured 36
Smooth muscle cell, vascular 164
Somatostatin 51
Spontaneously hypertensive rat 157
Streptozotocin-induced diabetes 189
Succinate dehydrogenase activity 157
Suprachiasmatic nucleus 201, 263
Sympathetic nerve function 247

Tactile stimulation, hypersensitivity 145
Tamsulosin 281
Th differentiation 328
Th-1 dominance 357
Thromboxane synthase 67
Tilt-induced hypotension 131
Tissue remodeling 206, 218
Trigeminal nucleus caudalis 145

Ureteral obstruction, unilateral 361
Urethral sphincter contraction 281
Uterus 107

Vascular proliferation 223
Vascular smooth muscle cell 164

Wheat germ agglutinin 77
Wistar-Kyoto rat 157
YM992 ((*S*)-2-[[(7-fluoroindan-4-yl) oxy]methyl]morpholine) monohydrochloride 197